

**IN THE ABSTRACT**

**Please amend the Abstract as follows:**

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An apparatus and method for measuring spatial displacement of an animal's paw injected with irritant. This apparatus comprises an electromagnetic detecting assembly having (1) a transmitting ~~oecillator~~ oscillator for generating electrical current (2) an electromagnetic transmitter coil coupled to the ~~oecillator~~ oscillator for generating an electromagnetic field (3) an electromagnetic receiving coil placed in axial plane directly below the transmitter coil (4) a first, receiving amplifier connected to the receiving coil (5) an amplitude detector connected to the receiving amplifier (6) a second amplifier connected to the amplitude detector (7) a metal object attached to the animal's paw (8) and a cylindrical observation chamber of a diameter not greater than the diameter of the generated magnetic field.